

# HP Operations Smart Plug-in for Cluster Infrastructure

For the HP Operations Manager for Windows®, HP-UX, Linux, and Solaris operating systems

Software Version: 11.13

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## Release Notes

Document Release Date: October 2013

Software Release Date: October 2013



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- Manage support contracts
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Most of the support areas require that you register as an HP Passport user and sign in. Many also require a support contract. To register for an HP Passport ID, go to:

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To find more information about access levels, go to:

**[http://h20230.www2.hp.com/new\\_access\\_levels.jsp](http://h20230.www2.hp.com/new_access_levels.jsp)**

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# Contents

Release Notes .....	1
Contents .....	5
HP Operations Smart Plug-in for Cluster Infrastructure Release Notes .....	6
What's New in This Release .....	6
Supported Environments .....	6
License for the Software .....	8
Support Matrix .....	8
Installation Notes .....	8
Known Problems and Workarounds .....	8
Limitations .....	10
Documentation Updates .....	10
Localization Support .....	10

# HP Operations Smart Plug-in for Cluster Infrastructure Release Notes

for the HP Operations Manager for Windows®, HP-UX, Linux, and Solaris operating systems.

**Software version:** 11.13

**Publication date:** October 2013

This document is an overview of the changes made to HP Operations Smart Plug-in for Cluster Infrastructure (CI SPI). It contains important information that is not included in manuals or the Online Help. You can find information about the following in this document:

- [What's New in This Release](#)
- [Supported Environments](#)
- [License for the Software](#)
- [Support Matrix](#)
- [Installation Notes](#)
- [Known Problems and Workarounds](#)
- [Limitations](#)
- [Documentation Updates](#)
- [Localization Support](#)

## What's New in This Release

- **Support for IPv6**

This version of HP Operations Smart Plug-in for Cluster Infrastructure provides support for IPv6 enabled servers.

- **Defect fixes**

This patch release contains fixes to the product. For more information, see the *Infrastructure SPI 11.13 patch text*.

## Supported Environments

Before installing CI SPI, make sure that your system meets the following minimum requirements for HP Operations Manager (HPOM) management server and managed nodes.

For information about the supported operating system architectures, release versions, and for recent updates, go to the support matrix URL:

[HP Software Support Matrix](#).

### Management Server Requirements

## Release Notes

The Infrastructure SPI is supported on HPOM for Windows, HP-UX, Linux, and Solaris operating systems. The following table lists the HPOM requirements and the HP Software products you must install on the management server. The patches mentioned are the minimum applicable level. Always apply the latest available patches.

Product Name	Operating system	Versions Supported	Patch/Hot fix
HP Operations Manager	Windows	9.00	OMW_00178
		8.16	OMW_00177
	HP-UX	9.10	PHSS_43465
	Linux	9.10	OML_000057
	Solaris	9.10	ITOSOL_00789
HP Performance Manager (to view graphs)	Windows	9.00	HPPM9W_00002
	HP-UX	9.00	PHSS_42753
	Solaris	9.00	HPPM9S_00002
	Linux	9.00	HPPM9L_00002
HP Reporter (to view reports)	Windows - 64 bit	4.00	-
	Windows - 32 bit	3.90	-
		3.80	-

\* **Contact HP Support to obtain the hotfix**

### Supported Agent Versions on Managed Nodes

The Infrastructure SPIs provides support to nodes running Windows, AIX, Linux, HP-UX, or Solaris operating systems. The following table lists the agent version that you must deploy on the managed nodes.

Product Name	Version supported
HP Operations Agent	11.13

### Supported Cluster Environments

- High Availability Cluster Multi-Processing (HACMP/PowerHA) for AIX
- MC Service Guard Cluster (MCSG) for HP-UX and Linux
- Red Hat Advanced Server (RHAS) Cluster for RHEL
- Solaris Cluster for Solaris

- Veritas Cluster Server (VCS) for UNIX and Windows
- Microsoft Cluster Server (MSCS) for Windows

## License for the Software

No separate license is required for the CI SPI. It is included with the purchase of HP Operations Agent Software LTUs (License to Use). Separate LTUs for SI SPI, CI SPI, and VI SPI are included with each HP Software Operations Agent LTU.

## Support Matrix

You can find the Support Matrix for this product that lists all software and hardware requirements at this location: [HP Support matrices](#).

**Note:** Most of the support areas require that you register as an HP Passport user and sign in. Many also require an active support contract. To find more information about support access levels, go to [Access levels](#).

To register for an HP Passport ID, go to [HP Passport Registration](#).

## Installation Notes

Installation requirements, as well as instructions for installing the CI SPI are documented in the *HP Operations Agent and Smart Plug-ins for Infrastructure Installation Guide*.

## Known Problems and Workarounds

The reference number for each defect is the Quality Center Change Request (QCCR) number. For more information about open defects, visit [HP Software Support Online](#), or contact your HP Support representative directly.

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### For CI SPI:

**Problem:** For the SNMP nodes added by Infrastructure SPIs on HPOM for Windows, the alert message appears as `critical node may be down`.

**Workaround:** To manually update the heartbeat polling protocol for the SNMP node to ICMP, follow these steps:

1. In the HPOM for Windows management server console, right-click the SNMP node.
2. Choose **Properties** from the pop-up menu.
3. Click the **Network** tab.
4. Under Heartbeat Polling, change the value of **Polling** to **Custom** and the value of **Ping Protocol** to **ICMP Only**.
5. Click **Apply** and then click **OK**.

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**QCCR1A104981:** During agent installation on a cluster, `CLUSTER_LOCAL_NODENAME` should be automatically set in `conf.cluster` namespace.



**Workaround:** You must manually set the XPL config for CLUSTER\_LOCAL\_NODENAME on all clusters before deploying CI SPI policies. If you do not manually set the XPL config and you run `ovclusterinfo -a` command, the error appears as `Cannot get cluster state from the local machine`. Before deploying the CI SPI policies on the cluster nodes, follow these steps to set the XPL config:

1. Check if the namespace **conf.cluster** is created in the nodeinfo file(XPL). Type **ovconfget conf.cluster**.

The namespace should have the following 3 entries:

**[conf.cluster]**

CLUSTER\_TYPE=AIX Cluster (HACMP)

MONITOR\_MODE=TRUE

POLLING\_INTERVAL=10000

2. If these values are not present, restart ovconfd. To restart ovconfd, run the command `ovc - restart ovconfd`
3. Add CLUSTER\_LOCAL\_NODENAME along with the hostname configured in the cluster.

For example, `CLUSTER_LOCAL_NODENAME=testsun1`

where, testsun1 is the name configured in the HA cluster configuration.

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**QCCR1A146542:** When Infrastructure SPIs patch 2.01 is installed on HPOM for Windows, the Infrastructure SPIs 2.01 patch components are not listed when queried for product inventory. Instead, it lists the base version, that is 2.0.

**Workaround:** Check the policy versions to check if Infrastructure SPIs 2.01 patch is installed or not.

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**Problem:** The label for CI-MCSG HP-UX nodes does not appear correctly.

**Workaround:** To resolve the problem, follow these steps:

1. Run the following command:

```
cd /opt/OV/install/CLUSTER-INFRA-SPI/<locale>/NODEGROUPS
```

In this instance, locale is `C.utf8`, `ja_JP.UTF-8` or `zh_CN.UTF-8`

2. Run the following command to obtain execute permission:

```
chmod +x ci-nodegroups.dat
```

3. Open the **ci-nodegroups.dat** file and change the node group labels as follows:

**Old code**

```
LABEL "CI-MCSG RHEL NODES"
```

**New code**

```
LABEL "CI-MCSG HP-UX Nodes"
```

4. Save the file.

5. Run the following command:

```
/opt/OV/bin/OpC/opccfgupld -replace - subentity  
"/opt/OV/install/CLUSTER-INFRA-SPI"
```

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### For HP Operations Agent:

**Problem:** Opcl aborts when Infrastructure SPIs policies are deployed to the node. For more information, see [QCCR1A153786](#)

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## Limitations

In this release of CI SPI, the language of the policies auto-deployed on the nodes depends on the locale of the HPOM for Windows management server and not the locale of the node.

## Documentation Updates

The following documentation is available for CI SPI:

- HP Operations Agent and Smart Plug-in for Infrastructure Installation Guide
- Concepts Guide
- User Guide

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